

Research Infrastructures and COVID-19 Research



ACCELERATE is funded by the European Union Framework Programme for Research and Innovation Horizon 2020, under grant agreement 731112



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Responses to the questionnaire

The Partnership for Advanced Computing in Europe (PRACE)

The Partnership for Advanced Computing in Europe (PRACE) is an international non-profit association with its seat in Brussels. The PRACE Research Infrastructure provides a persistent world-class High-Performance Computing service for scientists and researchers from academia and industry in Europe. The computer systems and their operations accessible through PRACE are provided by five PRACE members (BSC representing Spain, CINECA representing Italy, ETH Zurich/CSCS representing Switzerland, GCS representing Germany and GENCI representing France). The Implementation Phase of PRACE receives funding from the EU's Horizon 2020 Research and Innovation Programme (2014-2020) under grant agreement 823767.

SERVICE/S IMPLEMENTED

PRACE offers a fast track call for project proposals requesting computing resources to contribute to the mitigation of the impact of the COVID-19 pandemic. This call for proposals will follow a fast track review process to provide swift feedback to the applicants. This call is open until further notice. Applications are evaluated within one week and start as soon as possible if awarded.

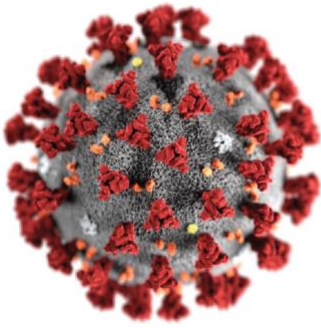
▪ What stage in COVID-19 intervention your RI is addressing?

PRACE is welcoming project proposals requesting computing resources to contribute to the mitigation of the impact of the COVID-19 pandemic. This applies to the following topics:

- Biomolecular research to understand the mechanisms of the virus infection
- Bioinformatics research to understand mutations, evolution, etc.
- Bio-simulations to develop therapeutics and/or vaccines
- Epidemiologic analysis to understand and forecast the spread of the disease
- Other analyses to understand and mitigate the impact of the pandemic

▪ Instruments/databases involved:

- Joliot-Curie, Bull Sequana X1000 / XH2000, GENCI@CEA, France
- HAWK, HPE Apollo, GCS@HLRS, Germany
- JUWELS, BULL Sequana X1000 / XH2000, GCS@JSC, Germany
- SuperMUC-NG, Lenovo ThinkSystem, GCS@LRZ, Germany
- Marconi 100, IBM Power 9 AC922 Whisperspoon, CINECA, Italy
- MareNostrum 4, Lenovo System, BSC, Spain



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- Piz Daint, Cray XC50 System, ETH Zurich / CSCS, Switzerland

How is the proposal submitted?

The proposals can be submitted by filling out the application form: <https://prace-ri.eu/prace-support-to-mitigate-impact-of-covid-19-pandemic/>

Who evaluates the proposal?

A Review Panel will be established by PRACE and composed of members of the PRACE Access Committee (AC) – which is a group of leading international scientists and engineers – and external experts suggested by the AC members. They will discuss the merit of the proposals, supported by a technical team, based on the criteria listed in the call.

Is the submission continuous, or linked to a deadline?

The call is open until further notice.

What is the estimated time from the submission to the access / service provision?

Applications are evaluated within one week and start as soon as possible if awarded.

CHARACTERISTICS OF THE ACCESS

Restrictions: Researchers from academia, from research institutes, and from commercial organisations (industry) based in Europe are eligible to apply.

In the case of analytical facilities, modality of access allowed:

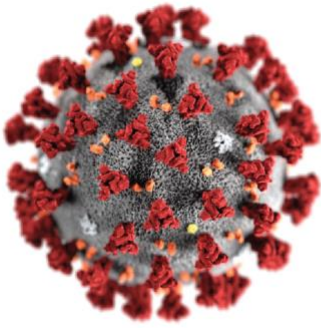
Comment for remote access only: The Partnership for Advanced Computing in Europe (PRACE)

All RIs: Is the access free for non-proprietary research?	NO
All RIs: Is commercial access available at reduced prices?	NO

Additional comments related to the questions above: As PRACE is not falling under the ERF definition of “Analytical Facility” and we have therefore left the related questions blank.

ACCESSIBILITY OF THE PUBLICATION AND DATA

Is there any requirement to publish in open access journals?	YES
Is the data generated associated to metadata and is it publicly available?	YES



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If yes, what is the embargo period?	
Where is the data or metadata published? (e.g. in the institution's catalogue, in other open data repositories, etc).	Awardees in this call commit to publish the outcome of their project as preprint and as soon as possible, to make the data available following open data policy, and to acknowledge the use of the corresponding resources and the PRACE RI.